

IN THE CLAIMS

Please rewrite claims 1-2, 6-7, 10 and 12-13 as follows:

1. (Currently Amended) An optical path control apparatus comprising:

a first substrate;

a second substrate which is movable relative to said first substrate; substrate, said second substrate being in contact with said first substrate, while said second substrate is moving relative to said first substrate;

a mirror section provided on said second substrate to have a reflective surface with a fixedly predetermined angle with respect to a surface of said second substrate; and

a driving section which moves said second substrate such that a first optical path of input light to said mirror section is optically connected to one of a plurality of second optical paths.

2. (Currently Amended) An optical path control apparatus comprising:

a first substrate,

a second substrate ~~movably provided for~~ which is movable relative to said first substrate;

a mirror section provided on said second substrate; and

a driving section which moves said second substrate such that a first optical path of input light to said mirror section is optically connected to one of a plurality of second optical paths,

wherein said driving section is an ultrasonic wave generating source, and

 said second substrate is moved by progressive waves generated by said ultrasonic wave generating source and is located on a position by standing waves, and

 said first optical path is optically connected to said second optical path associated with said position.

3. (Previously Presented) The optical path control apparatus according to claim 1, wherein said driving section is an ultrasonic wave generating source with a piezo-electric layer on the second substrate.

4. (Original) The optical path control apparatus according to claim 1, wherein said driving section includes two electromagnets,

said second substrate is a permanent magnet provided between two electromagnets,

said permanent magnet is moved between two positions based on magnetic polarities of said two electromagnets, and

said first optical path is optically connected to said second optical path associated with one of said positions.

5. (Original) The optical path control apparatus according to claim 1, wherein said second substrate has a gear shape, and said mirror section is provided on said second substrate via a base section,

said driving section has an electrostatic actuator, and rotates said second substrate based on force generated by said electrostatic actuator such that said mirror section is rotated, and

said first optical path is optically connected to said second optical path associated with a rotation angle of said mirror section.

6. (Currently Amended) An optical path control apparatus comprising:

a first substrate;

a second substrate ~~movably provided for~~ which is movable relative to said first substrate;

a mirror section provided on said second substrate; and

a driving section which moves said second substrate such that a first optical path of input light to said mirror section is optically connected to one of a plurality of second optical paths, wherein said second substrate has a micro light wheel,

said driving section has lasers, and rotates said second substrate based on laser beams emitted by said lasers, and

said first optical path is optically connected to said second optical path associated with a rotation angle of said mirror section.

7. (Currently Amended) An optical path control apparatus comprising:

a first substrate;

a second substrate ~~movably provided for~~ which is movable relative to said first substrate;

a mirror section provided on said second substrate; and

a driving section which moves said second substrate such that a first optical path of input light to said mirror section is optically connected to one of a plurality of second optical paths, wherein said second substrate is provided in a concave section of said first substrate, said concave section being filled with fluid;

said driving section moves said second substrate by supplying said fluid from one end of said concave section and absorbing said fluid from another end of said concave section,

said mirror section reflects said input light based on the movement of said second substrate such that said first optical path is optically connected to said second optical path.

8. (Previously Presented) The optical path control apparatus according to claim 1,

wherein said mirror section is a triangular prism shaped thin film mirror.

9. (Previously Presented) The optical path control apparatus according to claim 1,

wherein said mirror section is a triangular prism shaped lump type mirror.

10. (Currently Amended) An optical path control apparatus comprising:
a substrate; and
a mirror section which has a reflective surface ~~with a fixedly predetermined angle with respect movable relative~~ to a surface of said substrate and is provided on said substrate and changes an optical path of reflection light to input light by moving a reflection angle of said mirror section with respect to said surface and by changing an angle between the reflective surface of said mirror section and said surface in response to an input signal.

11. (Previously Presented) The optical path control apparatus according to claim 10, wherein said mirror section has two mirror portions, each of which comprises:
a mirror layer provided as a surface layer; and
an underside layer provided under said mirror layer and having a conductive wire, wherein said two mirror portions attract or repel each other based on current as said input signal supplied to said conductive wires such that a reflection angle of said mirror section is changed.

12. (Currently Amended) ~~The optical path control apparatus according to claim 10, An optical path control apparatus comprising:~~

a substrate; and
a mirror section which has a reflective surface with a fixedly predetermined angle with respect to a surface of said substrate and is provided on said substrate and changes an optical path of reflection light to input light by said mirror section in response to an input signal, wherein said mirror section comprises:
a mirror layer provided as a surface layer;

a layer changing its shape in response to said input signal provided under said mirror layer; and

an electrode layer provided under said layer changing its shape,

wherein said mirror layer of said mirror section is transformed through transformation of said layer changing its shape in response to supply of said input signal such that a reflection angle of said mirror section is changed.

13. (Currently Amended) An optical path control apparatus comprising:

a substrate; and

a mirror section which is provided on said substrate and changes an optical path of reflection light to input light by said mirror section in response to an input signal, wherein said mirror section has two mirror portions, each of which comprises:

a mirror layer provided as a surface layer; and

a magnetic layer provided under said mirror layer,

wherein said two mirror portions attract or repel each other through magnetization of said magnetic layer based on said input signal such that a reflection angle of said mirror section is changed. moved with respect to a surface of said substrate and such that an angle between at least one of the two mirror portions and the substrate is changed.

14. (Previously Presented) An optical path control apparatus comprising:

a substrate; and

a mirror section which is provided on said substrate and changes an optical path of reflection light to input light by said mirror section in response to an input signal, wherein said mirror section comprises:

a mirror layer provided as a surface layer;

a shape memory layer provided under said mirror layer; and
a heating layer provided under said shape memory layer,
wherein said mirror layer of said mirror section is transformed due to transformation of
said shape memory layer through heating by said heating layer in response to said input signal
such that a reflection angle of said mirror section is changed.

15. (Previously Presented) The optical path control apparatus according to claim 10,
wherein said mirror section is a triangular prism shaped thin film mirror.

16.-20. (Canceled).

21. (Previously Presented) An optical path control apparatus comprising:
a first substrate;
a second substrate which is movable relative to said first substrate;
a mirror section provided over said first and second substrate, and having a reflective
surface with an angle larger than zero with respect to a surface of said first substrate, and said
reflective surface being on a side of said first substrate; and
a driving section which moves said second substrate such that a first optical path of input
light to said mirror section is optically connected to one of a plurality of second optical paths.

22.-24. (Canceled).